

## **CLAIMS**

What is claimed is:

1. A sealed compressor assembly comprising:  
a compressor comprising a compressor pump unit and a motor for driving said compressor pump unit;  
a housing enclosing said compressor pump unit;  
a receiver for receiving a first signal; and  
a memory unit in communication with said receiver, said memory unit for storing information relating to said compressor, said receiver and said memory unit mounted to said compressor.
2. The sealed compressor assembly of Claim 1 including a microprocessor in communication with said receiver and said memory unit.
3. The sealed compressor assembly of Claim 2 including a transmitter in communication with said microprocessor, said transmitter for transmitting a second signal.
4. The sealed compressor assembly of Claim 1 wherein said information relating to said compressor comprises information relating to the manufacture of said compressor.

5. The sealed compressor assembly of Claim 1 wherein said information relating to said compressor comprises information relating to the service of said compressor.

6. The sealed compressor assembly of Claim 1 wherein said information relating to said compressor comprises information relating to the environment of said compressor.

7. The sealed compressor assembly of Claim 1 wherein said information relating to said compressor comprises information relating to the use of said compressor.

8. The sealed compressor assembly of Claim 1 wherein said first signal is an electric signal.

9. The sealed compressor assembly of Claim 9 wherein said electric signal is a radio frequency signal.

10. The sealed compressor assembly of Claim 1 wherein said receiver and said memory unit are mounted to said housing.

11. A sealed compressor system comprising:
  - a compressor comprising a compressor pump unit and a motor for driving said compressor pump unit;
  - a housing enclosing said compressor pump unit;
  - a first receiver for receiving a first electric signal
  - a first transmitter for transmitting a second electric signal;
  - a compressor microprocessor in communication with said first receiver and said first transmitter;
  - a memory unit in communication with said first receiver, said first transmitter and said compressor microprocessor, said memory unit for storing information relating to said compressor; and
  - wherein said first receiver, said first transmitter, said memory unit and said compressor microprocessor are mounted to said compressor.
12. The sealed compressor system of Claim 11 wherein said information relating to said compressor comprises information relating to the manufacture of the compressor.
13. The sealed compressor system of Claim 11 wherein said information relating to said compressor comprises information relating to the service of the compressor.
14. The sealed compressor system of Claim 11 wherein said information relating to said compressor comprises information relating to the environment of the compressor.

15. The sealed compressor system of Claim 11 wherein said information relating to said compressor comprises information relating to the use of the compressor.

16. The sealed compressor system of Claim 11 wherein said receiver and said memory unit are mounted to said housing.

17. The sealed compressor system of Claim 11 including a second receiver and a second transmitter, said second receiver and said second transmitter for remote communication with said first receiver and said first transmitter.

18. The sealed compressor system of Claim 17 wherein said second transmitter and said second receiver form part of a portable remote unit.

19. The sealed compressor system of Claim 18 wherein said portable remote unit includes a remote unit microprocessor in communication with said second transmitter and said second receiver.

20. A method of manufacturing a compressor, comprising the steps of:
- mounting a receiver on a compressor assembly;
  - mounting a transmitter on the compressor assembly;
  - mounting a memory unit on the compressor assembly; and
  - placing the receiver and the transmitter in communication with the memory unit.